



E-Series I/Q Modulator

60 – 120 MHz

EQKR8-90W

Features

- High carrier suppression
- High 3I and 5I suppression
- Wide bandwidth

Specifications @ 25°C

Frequency Range		
(LO) Carrier	60–120 MHz	
I/Q	DC–5 MHz	
(LO) Carrier Suppression ⁽¹⁾	35 dBc Typ	30 dBc Min
SSB Rejection ⁽¹⁾	36 dBc Typ	30 dBc Min
Harmonic Suppression ⁽¹⁾		
3 x I/Q	50 dBc Typ	45 dBc Min
5 x I/Q	60 dBc Typ	55 dBc Min
Conversion Loss	5 dB Typ	6 dB Max
(LO) Carrier Power		+10 dBm
I/Q Drive Level		-7 dBm

Note (1): Related to wanted sideband power

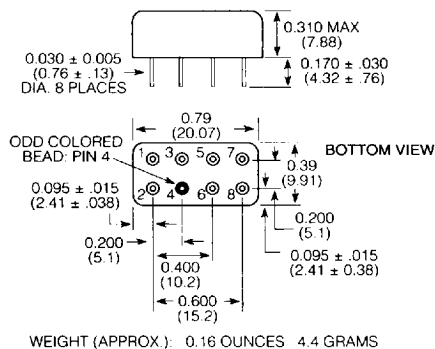
Operating Characteristics

Impedance	50 Ohms Nominal
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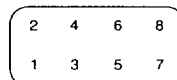
Absolute Maximum Ratings

Parameter	Absolute Maximum
Operating Temp.	0°C to 70°C
Storage Temp.	-55 °C to +100 °C
Pin Temp (10 sec)	260°C

R-1



Pin Configuration (Top View)



Function	Pin No.
(LO) Carrier	1
RF	8
I	5
Q	6
Case Ground	2,3,4,7

Specifications Subject to Change Without Notice

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